

## ABSTRACT OF THE DISCLOSURE

An implanted medical device (e.g. infusion pump) and external device  
 5 communicate with one another via telemetry wherein messages are transmitted  
 under a robust communication protocol. The communication protocol gives  
 enhanced assurance concerning the integrity of messages that impact medical  
 operations of the implantable device. Messages are transmitted using a multipart  
 format that includes a preamble, a frame sync, a telemetry ID, data, and a validation  
 10 code. The data portion of the message includes an op-code that dictates various  
 other elements that form part of the message. The data portion may also include  
 additional elements such as sequence numbers, bolus numbers, and duplicate data  
 elements. A telemetry ID for the transmitting device may be implicitly embedded in  
 the message as part of the validation code that is sent with the message and that  
 15 must be pre-known by the receiver to confirm the integrity of the received message.

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